

Work Order ID 165973

Wednesday, September 06, 2017 3:12:19 PM

165973

Page 1

Item ID: 646.9502

Accept

N900040100

Setup

Start

NS1

Revision ID:

Stop

NS2

Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/13/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

DAS
21

Date: SEP 06 2017

Tooling:

Date:

Run

Start

NR1

QC:

9-89

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

646.9500

N/C

100

Document Control

0.00

100

DC

DOCUMENT CONTROL

0.00

Memo

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 646.9502

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.03

Quality Control

SEP 11 2017
SP

CANCELED

closed

DAS
6
9-89
SEP 11 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
☐ Environment	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
☐ Design	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
☐ Doc/Data	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
☐ Equip/Tooling	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
☐ Handling/Pre	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
☐ Material	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
☐ Internal Transport	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
☐ Tribal Knowledge	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
☐ LOA	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
☐ Substation	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
☐ Past Expiry Date	☐ Manufacturing Process	OTHER : _____					
☐ Misidentified	☐ Past Due						

Work Order ID 165973

Wednesday, September 06, 2017 3:12:19 PM

165973

Page 2

Item ID: 646.9502 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: 206A/B/L-Series Cable Cutter System, Low
Start Date: 9/6/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 9/13/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging	Identify as per dwg & Stock Location: _____ Packaging	0.00							
Packaging	Memo Identify and pack for shipping as per PPP 646.9502 Location :FG101	0.00							
140 *140* QC	QC21- Final Inspection - Work Order Release	0.00							
Quality Control	Memo	0.10							

DAS
21
9-89

SEP 27 2017



DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____				
Description Work Order Deviation				Disposition							
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter		FAULT CATEGORY		☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes		☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center		☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence	
☐ OTHER : _____											

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 1

Work Order ID: 165973

165973

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
600.0990		Purchased	No			110	Each	18.0000	1	1			

600 0990

Magnabond 6398 Part A Size 112 ml

**

Location

Loc Qty

Loc Code

PKG

18

M136586

1

M136862

1

M137073

1

M137495

4

M137712

7

M138326

4

600.0991

Purchased

No

110

Each

19.0000

1

1

600 0991

Magnabond 6398 Part B Size 112 ml

**

Location

Loc Qty

Loc Code

PKG

19

m136586

2

m136862

1

m137073

1

m137495

4

m137712

7

m138326

4

600.1012

Purchased

No

110

Each

9.0000

1

1

600 1012

Sealant PR1425B2 (#654 sem)

**

SEP 11 2017 JAS 6 39

Location

Loc Qty

Loc Code

cck017

9

m138326

9

138084

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 2

Work Order ID: 165973

165973

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

646.9601 Manufactured No

110 Each 0.0000 1 1

646 9601

Upper Cutter Assembly

646.9603 Manufactured No

110 Each 3.0000 1 1

646 9603

Lower Cutter Assembly Low

Location

Loc Qty

Loc Code

CCK036

3

160092

3

5/10/2018

646.9810 Manufactured No

110 Each 0.0000 1 1

646 9810

Deflector

646.9910 Manufactured No

110 Each 0.0000 4 4

646 9910

Struts

647.0110 Manufactured No

110 Each 0.0000 1 1

647 0110

Roof Doubler

647.0111 Manufactured No

110 Each 3.0000 1 1

647 0111

Panel

SEP 11 2017

DAS
6
9-8g

Location

Loc Qty

Loc Code

CCK088

3

159852

3

647.0112 Manufactured No

110 Each 0.0000 8 8

647 0112

Strut Bracket

647.0113 Manufactured No

110 Each 0.0000 2 2

647 0113

Strut Doubler

1

161667x2

SEP 11 2017

DAS
6
9-8g

165158x6

155571

SEP 11 2017

DAS
6
9-8g

Wednesday, September 06, 2017 3:12:22 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 3

Work Order ID: 165973

165973

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

647.0114 Manufactured No

110 Each 41.0000 1 1

647 0114

Clip

**

SEP 11 2017

Location

Loc Qty

Loc Code

CCK106

41

106616

41

647.0115 Manufactured No

110 Each 36.0000 1 1

647 0115

Clip

**

SEP 11 2017

Location

Loc Qty

Loc Code

CCK106

36

106617

36

647.0116 Manufactured No

110 Each 24.0000 2 2

647 0116

Doubler

**

SEP 11 2017

Location

Loc Qty

Loc Code

CCK107

24

159857

24

647.0210 Manufactured No

110 Each 0.0000 1 1

647 0210

Rail

**

647.0310 Manufactured No

110 Each 0.0000 2 2

647 0310

Channel

**

647.0410 Manufactured No

110 Each 2.0000 1 1

647 0410

Tube

**

SEP 11 2017

Location

Loc Qty

Loc Code

CCK107

2

159786

2

Wednesday, September 06, 2017 3:12:22 PM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 4

Work Order ID: 165973

165973

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

647.1210 Manufactured No

110 Each 22.0000 1 1

647 1210

Screen

**

DAS

6

SEP 11 2017

9-8

Location

Loc Qty

Loc Code

CCK107

22

159856

21

165091

1

AN3-10A

Purchased No

110 Each 192.0000 8 8

AN3-10A

Bolt

**

DAS

6

SEP 11 2017

9-8

Location

Loc Qty

Loc Code

GA

38

m136787

38

ST349

154

m138326

154

AN3-11A

Purchased No

110 Each 63.0000 8 8

AN3-11A

Bolt

**

DAS

6

SEP 11 2017

9-8

Location

Loc Qty

Loc Code

ST349

63

m136192

63

AN3-3A

Purchased No

110 Each 108.0000 1 1

AN3-3A

Bolt

**

DAS

6

SEP 11 2017

9-8

Location

Loc Qty

Loc Code

ST350

108

m137853

33

m138207

25

m138409

50

Wednesday, September 06, 2017 3:12:22 PM

Shop Packet Print

Page 4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 5

Work Order ID: 165973

165973

Parent Item: 646.9502

646.9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

AN743-13 Purchased No

110 Each 24.0000 1 1

AN743-13

Bracket

**

SEP 11 2017

DAS
6
9-80

Location

Loc Qty

Loc Code

ST330

24

M136665

4

~~M138326~~

20

CCR264SS3-04 Purchased No

110 Each 234.0000 12 12

CCR264SS3-04

Rivet

**

SEP 11 2017

DAS
6
9-80

Location

Loc Qty

Loc Code

ST321

234

m137391

34

~~m138333~~

200

CCR264SS-3-06 Purchased No

110 Each 284.0000 8 8

CCR264SS-3-06

Rivet

**

SEP 11 2017

DAS
6
9-80

Location

Loc Qty

Loc Code

ST321

284

~~m138333~~

284

CCR264SS3-2 CCR264SS3-02 Purchased No

110 Each 200.0000 4 4

CCR264SS3-2

Rivet, Cherry

**

SEP 11 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

CCK003

200

m138333

200

137710

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Work Order ID: 165973

165973

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

CR3212-4-4
CR3212-4-4
CHERRY RIVET

110 Each 100.0000 1 1
**

Location Loc Qty Loc Code
CCK003 100
m138333 100

SEP 11 2017

DA
DAS
6
9-89

CR3212-5-4
CR3212-5-4
Cherry Rivet

110 Each 168.0000 8 8
**

Location Loc Qty Loc Code
ST320 168
m138336 168

SEP 11 2017

DAS
6
9-89

CR3213-4-05
CR3213-4-05
RIVET

110 Each 206.0000 26 26
**

Location Loc Qty Loc Code
ST319 206
m138326 206

SEP 11 2017

DAS
6
9-89

CR3213-4-1
CR3213-4-1
Cherry Rivet

110 Each 270.0000 14 14
**

Location Loc Qty Loc Code
ST320 270
m138336 270

SEP 11 2017

DAS
6
9-89

CR3213-4-2
CR3213-4-2
Cherry Rivet

110 Each 266.0000 18 18
**

Location Loc Qty Loc Code
ST320 266
m138336 266

SEP 11 2017

DAS
6
9-89

Wednesday, September 06, 2017 3:12:22 PM

Shop Packet Print

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 7

Work Order ID: 165973

165973

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-3 Purchased No

110 Each 378.0000 18 18

CR3213-4-3

Rivet, Cherry

**

DAS
6
9-89

SEP 11 2017

Location

Loc Qty

Loc Code

GA

92

m136042

92

ST319

286

m138326

286

403 → 137321 x 4

14

CR3213-4-4 Purchased No

110 Each 390.0000 19 19

CR3213-4-4

Rivet, Cherry

**

DAS
6
9-89

SEP 11 2017

Location

Loc Qty

Loc Code

CCK003

390

m138333

390

137544

CR3213-4-6 Purchased No

110 Each 353.0000 20 20

CR3213-4-6

Rivet

**

DAS
6
9-89

SEP 11 2017

Location

Loc Qty

Loc Code

ST319

353

M138333

353

20

MS21042-08 MS21042L08 Purchased No

110 Each 0.0000 54 54

MS21042-08

USE MS21042L08

**

M138333 x 3 / DAS
6
9-89

138337 x 4 138207 x 7 SEP 11 2017

MS21042-3 MS21042L3 Purchased No

110 Each 0.0000 17 17

MS21042-3

Nut

**

DAS
6
9-89

SEP 11 2017

138326

Wednesday, September 06, 2017 3:12:22 PM

Shop Packet Print

Page 7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 8

Work Order ID: 165973

165973

Parent Item: 646.9502

646.9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

MS21047-3 Purchased No

110 Each 81.0000 6 6

MS21047-3

Nut Plate

**

SEP 11 2017

Location

Loc Qty

Loc Code

ST301

81

m138040

81

MS21059-3 Purchased No

110 Each 395.0000 2 2

MS21059-3

Nut Plate

**

SEP 11 2017

Location

Loc Qty

Loc Code

ST301

395

123023

12

123900

383

MS21059L08 Purchased No

110 Each 162.0000 4 4

MS21059L08

Nut

**

SEP 11 2017

Location

Loc Qty

Loc Code

ST300

162

m136554

62

m138326

100

MS24694-S8 Purchased No

110 Each 169.0000 5 5

MS24694-S8

Screw

**

SEP 11 2017

Location

Loc Qty

Loc Code

ST285

169

M134654

19

M138333

150

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 9

Work Order ID: 165973

165973

Parent Item: 646.9502

646.9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-06

Purchased

No

110

Each

214.0000

4

4

MS27039-08-06

Screw

**

SEP 11 2017
SEP 11 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST278

214

m126249

14

m138326

200

MS27039-08-09

Purchased

No

110

Each

137.0000

4

4

MS27039-08-09

Screw

**

SEP 11 2017
SEP 11 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST278

137

m135536

12

m138333

125

MS27039-08-11

Purchased

No

110

Each

1,488.000

43

43

MS27039-08-11

SCREW

**

SEP 11 2017
SEP 11 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

over006

1000

m138336

1000

ST278

488

m138336

488

MS27039-08-12

Purchased

No

110

Each

88.0000

2

2

MS27039-08-12

Screw

**

SEP 11 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST278

88

124326

88

Wednesday, September 06, 2017 3:12:22 PM

Shop Packet Print

Page 9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____						
Misidentified	☐	Past Due	☐							

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 10

Work Order ID: 165973

165973

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-13

Purchased

No

110

Each

160.0000

6

6

MS27039-08-13

Screw

**

SEP 11 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST278

160

153849

160

MS27039-1-08

Purchased

No

110

Each

281.0000

5

5

MS27039-1-08

Screw

**

SEP 11 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

FP001

234

m137361

26

m138209

208

GA

22

m128636

22

ST281

25

m137820

25

MS27039-1-11

Purchased

No

110

Each

226.0000

5

5

MS27039-1-11

Screw

**

SEP 11 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST280

226

m137544

26

m138326

200

MS35842-11

Purchased

No

110

Each

36.0000

1

1

MS35842-11

Hose Clamp

**

SEP 11 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST545

36

m134943

6

m138326

30

Wednesday, September 06, 2017 3:12:22 PM

Shop Packet Print

Page 10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : ☐					

Picklist Print

Wednesday, September 06, 2017 3:12:22 PM

Page 11

Work Order ID: 165973

165973

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

1,449.000

62

62

NAS1149F0332P

Washer

**

68-6
9
DAS

Location

Loc Qty

Loc Code

GA

125

m133709

125

ST262

1324

m138209

1324

SEP 11 2017

NAS1149FN832P

Purchased

No

110

Each

4,840.000

111

111

NAS1149FN832P

Washer

**

SEP 11 2017

68-6
9
DAS

Location

Loc Qty

Loc Code

GA

2967

M137820

467

M138336

2500

ST263

1873

M138336

1873

111

NAS1835-08

Purchased

No

110

Each

140.0000

4

4

NAS1835-08

Insert

**

SEP 11 2017

68-6
9
DAS

Location

Loc Qty

Loc Code

st549

140

m138336

140

4

Wednesday, September 06, 2017 3:12:22 PM

Shop Packet Print

Page 11

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐ _____									

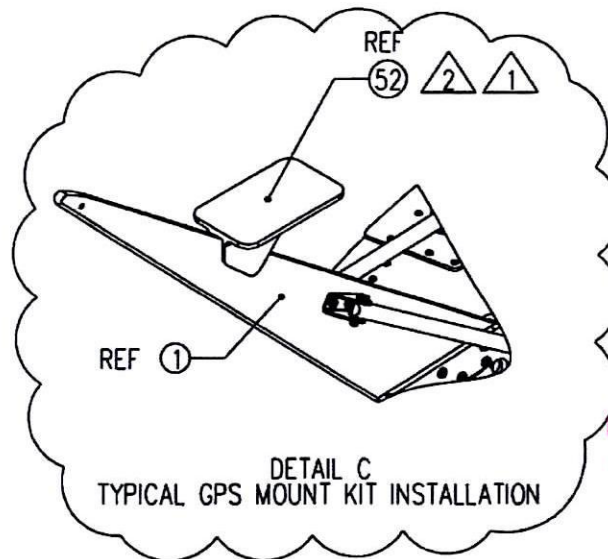
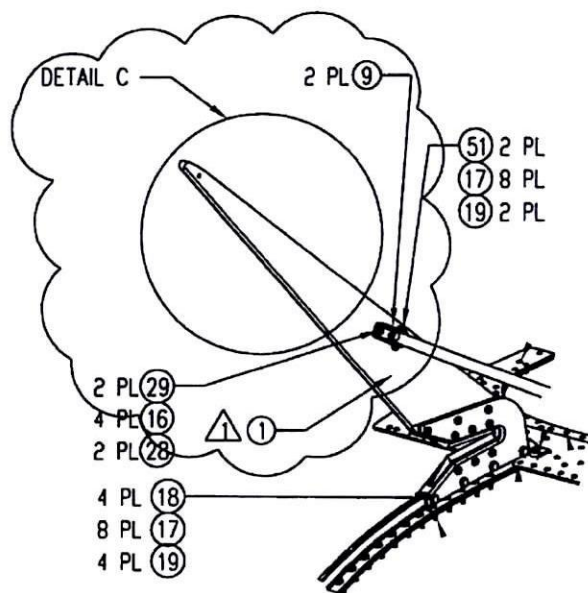
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03047				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: NC	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>		DC <i>[Signature]</i>		EFF: NEXT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS. ADDED NOTE <u>2</u> .				

SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A3 IS:

SHEET 2, ZONE B2 IS:



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. V65046 165973
W 8/14/17

52	A	647.5701	REF	REF	GPS MOUNT KIT	<u>2</u>	
F/N	TC	PART NUMBER	.9502	.9501	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY				
DOCUMENTS EFFECTED:						CHANGE CATEGORY ☐ MAJOR ☒ MINOR	
☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM						DER REVIEW REQUIRED ☐ YES ☒ NO	

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500		REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: CORRECTED PARTS LIST ERRORS					

SHOP COPY
 RETURN TO
 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. *10561105973*
CM 8/14/17

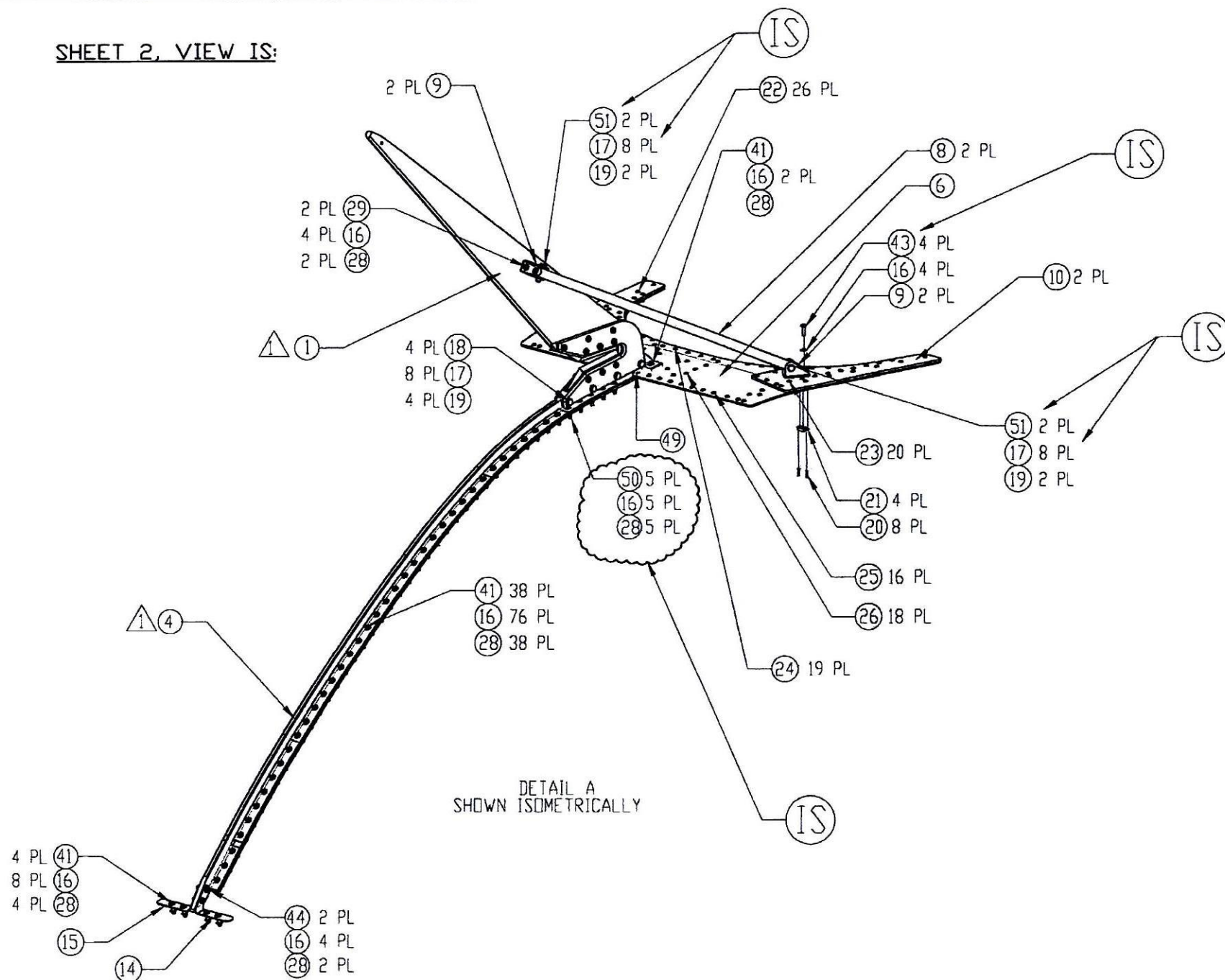
17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	DEG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: HARDWARE REVISIONS FROM FIRST INSTALL					

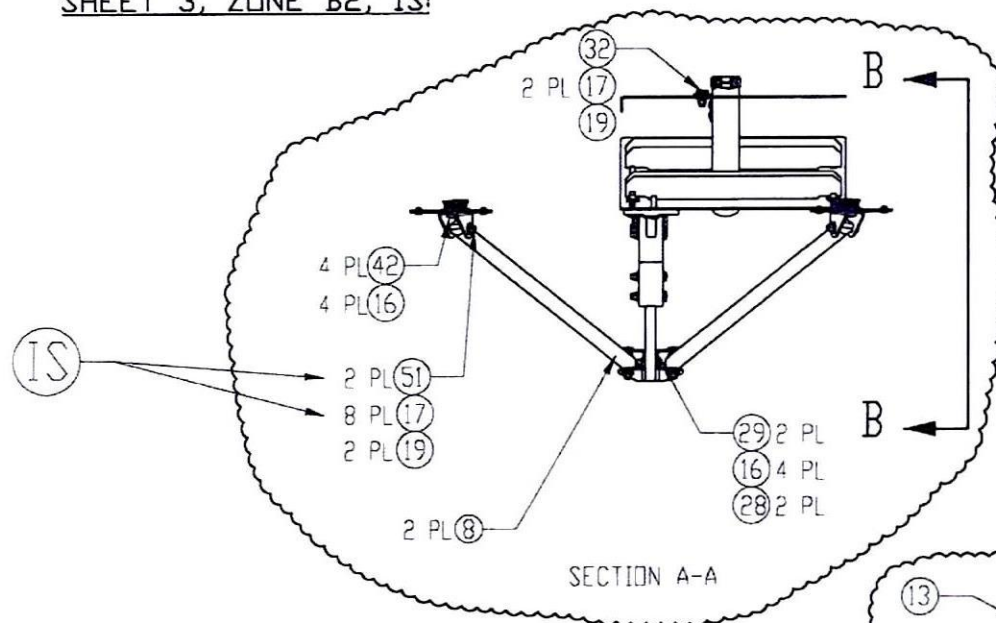
SHOP COPY
 RETURN TO
 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. *165461 165973*
W 8/14/17

51	A	601.3155	8	8	BOLT	AN3-10A	
50	A	601.3153	5	5	SCREW	MS24694S8	
41	R	601.2893	43	43	SCREW	MS27039-0811	
28	R	601.2973	54	54	LOCKNUT	MS21042-08	
18	R	601.2826	8	8	BOLT	AN3-11A	
16	R	601.2764	127	127	WASHER	NAS1149FN832P	
			9502	9501			
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION	
DOCUMENTS EFFECTED:						CHANGE CATEGORY	DER REVIEW REQUIRED
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						☐ MAJOR ☒ MINOR	☐ YES ☒ NO

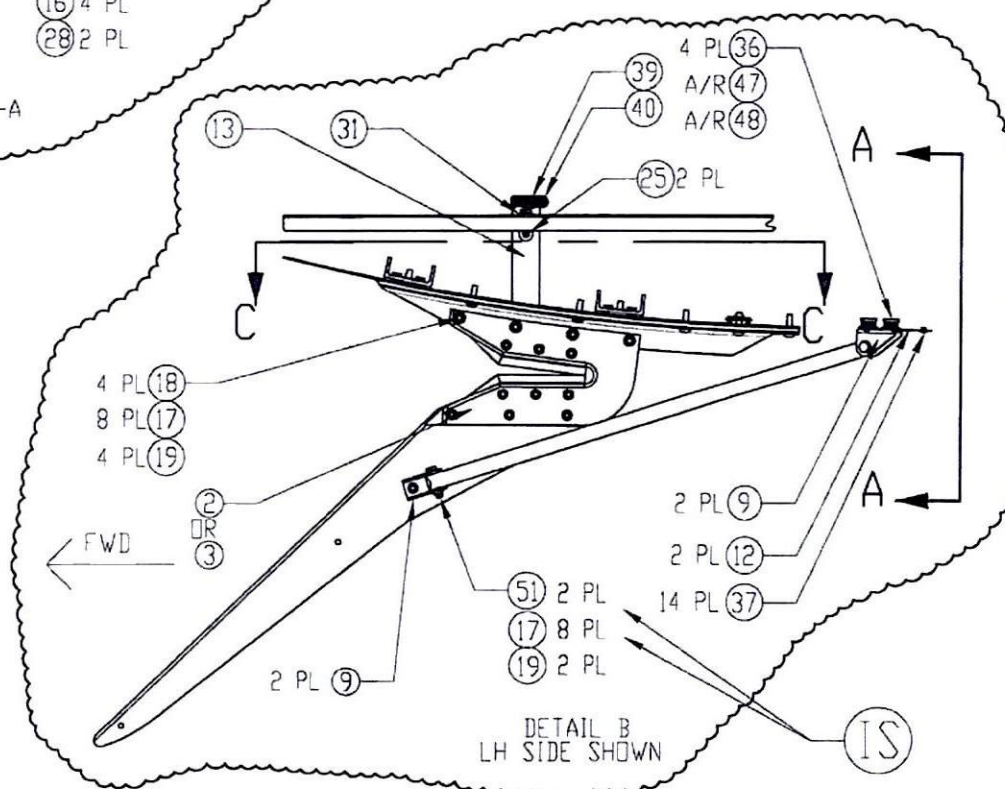
SHEET 2, VIEW IS:



SHEET 3, ZONE B2, IS:

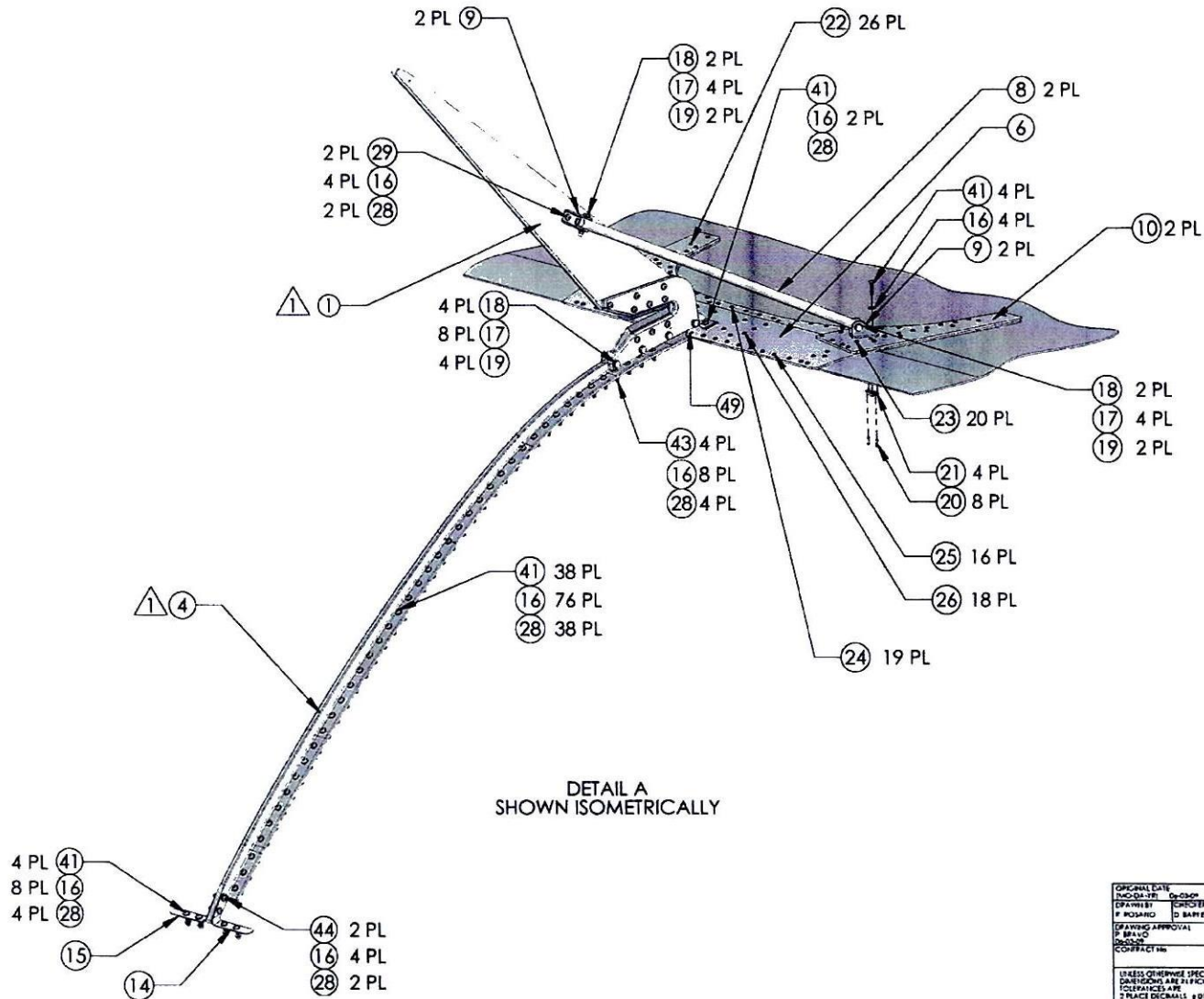


SHEET 3, ZONE D2, IS:



1502	1501	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY		PARTS LIST				
NEXT ASSY (S)		ORIGINAL DATE: 04/29/80 DRAWN BY: P. BOHNS CHECKED BY: D. BARBER APPROVAL: 				
		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300				
		CONTRACT NO. 206 CABLE CUTTERS KIT				
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS .0005 .0001 .001 .0005 .005 .001 .010 .005 .030 .010 .060 .020 .125 .040 .250 .060 .500 .125 1.000 .250 2.000 .500 3.000 .750 4.000 1.000 6.000 1.500 8.000 2.000 10.000 2.500 12.000 3.000 14.000 3.500 16.000 4.000 18.000 4.500 20.000 5.000 22.000 5.500 24.000 6.000 26.000 6.500 28.000 7.000 30.000 7.500 32.000 8.000 34.000 8.500 36.000 9.000 38.000 9.500 40.000 10.000 42.000 10.500 44.000 11.000 46.000 11.500 48.000 12.000 50.000 12.500 52.000 13.000 54.000 13.500 56.000 14.000 58.000 14.500 60.000 15.000 62.000 15.500 64.000 16.000 66.000 16.500 68.000 17.000 70.000 17.500 72.000 18.000 74.000 18.500 76.000 19.000 78.000 19.500 80.000 20.000 82.000 20.500 84.000 21.000 86.000 21.500 88.000 22.000 90.000 22.500 92.000 23.000 94.000 23.500 96.000 24.000 98.000 24.500 100.000 25.000 102.000 25.500 104.000 26.000 106.000 26.500 108.000 27.000 110.000 27.500 112.000 28.000 114.000 28.500 116.000 29.000 118.000 29.500 120.000 30.000 122.000 30.500 124.000 31.000 126.000 31.500 128.000 32.000 130.000 32.500 132.000 33.000 134.000 33.500 136.000 34.000 138.000 34.500 140.000 35.000 142.000 35.500 144.000 36.000 146.000 36.500 148.000 37.000 150.000 37.500 152.000 38.000 154.000 38.500 156.000 39.000 158.000 39.500 160.000 40.000 162.000 40.500 164.000 41.000 166.000 41.500 168.000 42.000 170.000 42.500 172.000 43.000 174.000 43.500 176.000 44.000 178.000 44.500 180.000 45.000 182.000 45.500 184.000 46.000 186.000 46.500 188.000 47.000 190.000 47.500 192.000 48.000 194.000 48.500 196.000 49.000 198.000 49.500 200.000 50.000 202.000 50.500 204.000 51.000 206.000 51.500 208.000 52.000 210.000 52.500 212.000 53.000 214.000 53.500 216.000 54.000 218.000 54.500 220.000 55.000 222.000 55.500 224.000 56.000 226.000 56.500 228.000 57.000 230.000 57.500 232.000 58.000 234.000 58.500 236.000 59.000 238.000 59.500 240.000 60.000 242.000 60.500 244.000 61.000 246.000 61.500 248.000 62.000 250.000 62.500 252.000 63.000 254.000 63.500 256.000 64.000 258.000 64.500 260.000 65.000 262.000 65.500 264.000 66.000 266.000 66.500 268.000 67.000 270.000 67.500 272.000 68.000 274.000 68.500 276.000 69.000 278.000 69.500 280.000 70.000 282.000 70.500 284.000 71.000 286.000 71.500 288.000 72.000 290.000 72.500 292.000 73.000 294.000 73.500 296.000 74.000 298.000 74.500 300.000 75.000 302.000 75.500 304.000 76.000 306.000 76.500 308.000 77.000 310.000 77.500 312.000 78.000 314.000 78.500 316.000 79.000 318.000 79.500 320.000 80.000 322.000 80.500 324.000 81.000 326.000 81.500 328.000 82.000 330.000 82.500 332.000 83.000 334.000 83.500 336.000 84.000 338.000 84.500 340.000 85.000 342.000 85.500 344.000 86.000 346.000 86.500 348.000 87.000 350.000 87.500 352.000 88.000 354.000 88.500 356.000 89.000 358.000 89.500 360.000 90.000 362.000 90.500 364.000 91.000 366.000 91.500 368.000 92.000 370.000 92.500 372.000 93.000 374.000 93.500 376.000 94.000 378.000 94.500 380.000 95.000 382.000 95.500 384.0				

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



DETAIL A
SHOWN ISOMETRICALLY

ORIGINAL DATE 1/20/01 (1)	BY D. BARRER	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DRAWN BY P. ROSARIO	CHECKED BY D. BARRER				
DRAWING APPROVAL P. ROSARIO DESIGN CONTRACT NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS ± 0.01 ANGLES ± 1°		206 CABLE CUTTERS KIT			
SHEET B	CAGE CODE 07M26			DWG NO. 646.9500	REV. N/C
SCALE NONE				SHEET 2 OF 3	

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

206 CABLE CUTTERS KIT

